94#48 30-039-07441
#123R 30-039-22265
#436 30-039-24995

E

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 16 Twp 28 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 28-6 UNIT #48, #123R, #436

cps 1154w

Elevation 6749' Completion Date 7/5/77 Total Depth 670' Land Type* N/A

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used

N/A

Depths & thickness of water zones with description of water when possible:

Fresh, Clear, Salty, Sulphur, Etc. WET AT 155', 205', 280', 360', 480',

505'

Depths gas encountered: N/A

Type & amount of coke breeze used: 84 SACKS

Depths anodes placed: 630', 620', 610', 575', 565', 555', 545', 500', 490', 480'

Depths vent pipes placed: 635'

Vent pipe perforations: 300'

Remarks: gb#1

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

El Paso Natural Gas Company
Form 7-238 (Rev. 11-71)

WELL CASING

CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

Rus log

Drilling Log (Attach Hereto) ☐ 434 123R

Completion Date 7/5/77

Well Name	Location	CPS No.
SJ. 28-6 # 48	NE16-28-6	1154W
Type & Size Bit Used		**Work Order No.**
6 3/4		40012

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
670' — T.D. 665		84 SACKS		

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	630'	620'	610'	575'	565'	555'	545'	500'	490'	480'
Anode Output (Amps)	4.0	3.4	3.4	2.6	3.3	3.4	3.5	2.5	2.7	2.8

	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Depth										
Anode Output (Amps)										

Total Circuit Resistance			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 11.8 V	Amps 12.8 A	Ohms .92		

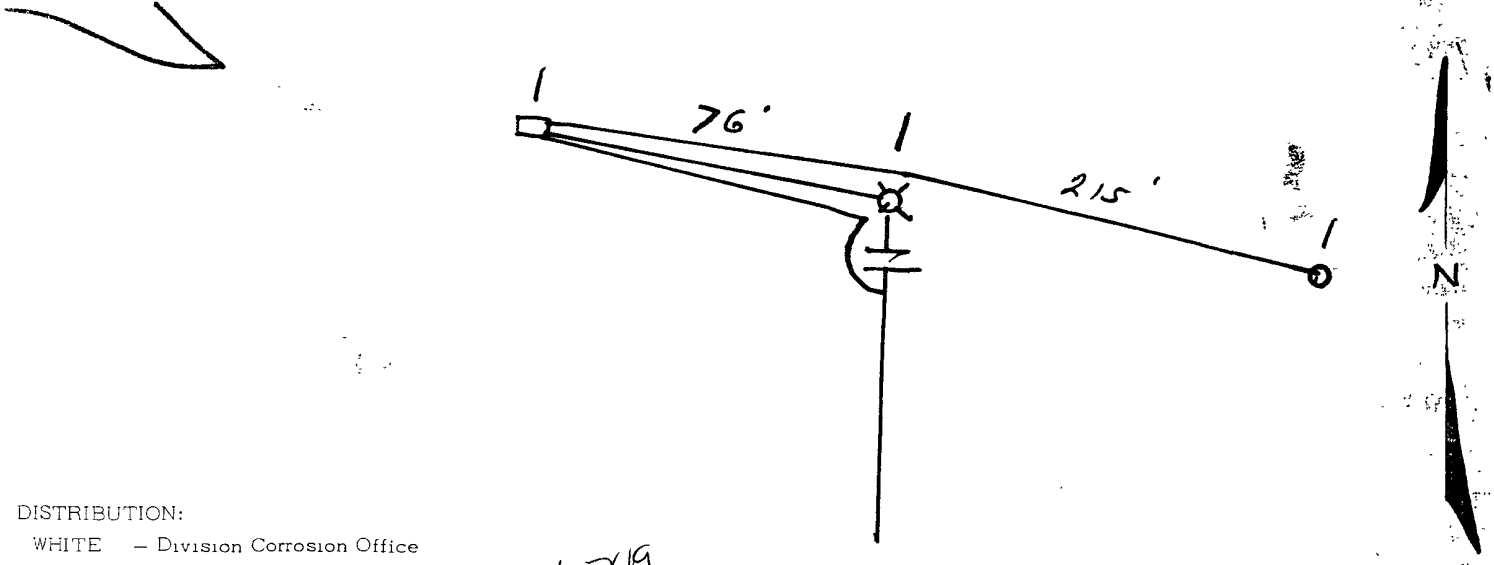
Remarks: STATIC 600' W = 0.83 Drilled To 520' Next A.H. @ ATe AT 460'. Logged Hole, Anode stopped AT 579'. Hole Depth was 590. Did not have enough shale. Drilled To 670', Logged Hole Anode stopped AT 480'. Driller went BACK IN AND flushed Hole. Hole Logged To 665'. 635' of 1" P.V.C. Vent pipe, Perforated 300'.

STub pole & 40 V 16 A Rect.

All Construction Completed

J C Stotts
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:
WHITE — Division Corrosion Office
YELLOW — Area Corrosion Office
PINK — Originator File

LE749

Form 7-1 (Rev. 8-75)

El Paso Natural Gas Company

ENGINEERING CALCULATION

Sheet: ____ of ____
Date: ____
By: ____
File: ____

1154W

460	6			DRILL TO 520 WTR NEXT AM. at 460'	
	6				
70	1.3				
	1.3			7/5/77 Went Out To Hole, Drilled To 520'	
80	1.4				
	1.4				
90	1.3			Logging Anode Stopped At 480'	
	1.3				
500	1.1				
	1.0			Driller went BACK IN Hole Flushed Hole, Logged Hole To 665', 635' of 1" P.V.C. Vent. pipe Perforated 360°	
10	.9				
	.8				
20	.8				
	.8				
30	.8				
	1.0				
40	1.6				
	1.6				
50	1.8				
	1.5				
60	1.5				
	1.6				
70	1.4				
	1.3				
80		579 TD	1.1		
			1.05	1 = 630' =	2.1 – 4.0
90			1.05	2 = 620' =	2.0 – 3.4
			.8	3 = 610' =	2.0 – 3.4
600			.4	4 = 515' =	1.5 – 2.6
			1.4	5 = 565' =	1.8 – 3.3
10			1.5	6 = 555' =	1.8 – 3.4
			1.5	7 = 545' =	2.0 – 3.5
20			1.5	8 = 500' =	1.2 – 1.5
			1.6	9 = 490' =	1.6 – 2.7
30			1.7	10 = 480' =	1.8 – 2.8
			1.6		
40			1.5	12.8 A	= .9 A
			1.8	11.8 V	
50			1.7		
			1.5		
60				665' T.D	
70					

MW		gals/mol
16.04	C_1	6.4
30.07	C_2	10.12
44.10	C_3	10.42
58.12	iC_4	12.38
58.12	nC_4	11.93
72.15	iC_5	13.85
72.15	nC_5	13.71
86.18	iC_6	15.50
86.18	C_6	15.57
100.21	iC_7	17.2
100.21	C_7	17.46
114.23	C_8	19.39
28.05	C_2^-	9.64
42.08	C_3^-	9.67

MW	MISC.	gals/mol
32.00	O_2	3.37
28.01	CO	4.19
44.01	CO_2	6.38
64.06	SO_2	5.50
34.08	H_2S	5 17
28.01	N_2	4 16
2 02	H_2	3.38

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE WELL NO. 1154W CONTRACTOR Posey RIG NO. REPORT NO. DATE 7-5 1977

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

NO. DC ____ SIZE ____ LENG. ____

BIT NO. NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE TOTAL DEPTH

MUD RECORD — MUD, ADDITIVES USED AND RECEIVED

Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN
0	5	Surface
5	30	Shale
30	60	Sand
60	85	Shale
85	95	Sand Wet
95	155	Shale

REMARKS –

155	205	Sandy Shale
205	230	Wet Sand
230	280	Shale
280	290	Wet Sand
290	300	Shale
300	310	Sandy Shale
310	320	Shale
320	360	Dry Sand

DAYLIGHT

Driller Posey Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

NO. DC ____ SIZE ____ LENG. ____

BIT NO. NO. DC ____ SIZE ____ LENG. ____

SERIAL NO STANDS

SIZE 6 3/4 SINGLES

TYPE Rock DOWN ON KELLY

MAKE TOTAL DEPTH

MUD RECORD — MUD, ADDITIVES USED AND RECEIVED

Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN
360	370	Wet Sand
370	390	Shale
390	400	Shale (Sandy)
400	430	Sand dry
430	440	Shale
440	460	Dry Sand

REMARKS –

460	475	Sandy Shale
475	480	Shale
480	485	Wet Sand
485	505	Shale
505	510	Wet Sand
510	670	Sandy Shale

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

NO. DC ____ SIZE ____ LENG. ____

BIT NO. NO. DC ____ SIZE ____ LENG. ____

SERIAL NO. STANDS

SIZE SINGLES

TYPE DOWN ON KELLY

MAKE TOTAL DEPTH

MUD RECORD — MUD, ADDITIVES USED AND RECEIVED

Time	Wt.	Vis.	

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher _____ Company Supervisor _____